

Letter Record. Jonie Cong & Mixture Concerning K Syrup of Scholla The Migration of Birds. Friet Opin Cample. ac 31 Vini automonii 37 Ext Glyrrhiza F.E. By Edgar a. Mearns, Balsom Copaila à a zij M. Sig Dose, a Teasproonful Member of the Committee on Migration of Birds, every two, three or four lives Appointed by the american as Ease requires & & Williams, M. D. Ornithologists Union and Superintendant of the Rocky Mountain District (Idaho, montana; Wyoning, Wah, Colorado, anjona, New mexico).

1. W. a. W. anthony Denver, Cellorado Febr. 7, 1884. 2. Capt. P. M. Thome. Capt. 22 Infantry, U.S.a. Fort Lyon, Ceolorado. Hebr. 25, 1884. 3. Mr. a.W. anthours. Beaverton, Oregion. 4. Mr. H. S. Smith. levr. Hoyt + Delana Sto., Denver, Colorado. Febr. 27, 1884. 5. Dr. A. K. Fisher. Ling Ling, new York. Fleb 27, 1884. Go. Dr. Walter W. K. Hisher Hort Whache, aryona Jan. 12, 1885 Whote letter & mailed 1885 blank and circular.

2 Indians of Anzona, a) ache Tonto 7. Sr. M. n. E. Heopkins. White Meter or Warm Spring Fort Lowell, arizona 7 Moquis. Sent one 1885 Circular and blank on Jan. 12th, 1885 Wolf thealpai 8. J. Willard Shultz Fort Courad, via Fort Benton, Mojave , Moulana Jerr. Wroteletterand Elimahnavi Everpah. Sent 1 blank & 1885 Cire Man 12 9. Cooft. P. M. Thorne, 22 m hof. asa Fort Lyon, Colorado Cerol Ids. of gulf Eat. (Pru-- cepally Shark Id., north Col. Sent 4 blanks + 1885 Circular an They are ean. Jan. 12 th 1887 with letter 10. Hr. E. St. Evenson gring East "Opatas (mex) Bonora I doulder, Geol. Wrote a Vahagoes Better and sent I blank + Cir. 1885. Pinal Mancopa. Morrago Printes Ext. N. W. " Shorasupais Copied Fai Journal Vol. 14/2.115

44 (ct. 27 ± Cet. 27, 45 To-day Len! Crook and frarly MENT 140 spilo aferti - On the Verde I com back to Whipple; and I went 15 Junco hiemalis orgonus. Common shority mules back on yesterday! 1 Scole coplaques cyamocophalus. trail after the deer four troop Ou at Fort Verde has its breist Shot yesterday. On the ride, and neck spotted with white. 17. Lturnella neglecta. which Kept the till late at might the following buils 18. Ceonres corax. and manufall where secui-19. Hymnopica cyanocephala. 1. Hearportynehus crissalis. I ende Several minuse flocks. Valley near the post. One contained from 500 .. Croseoptes moutames. to 1000 lands. They were 3. Sialia mexceana. Common. in the cedars at the Saw- Tog 4. Sialia arctica. - Commor. They probably seed on the berries. 5. Tophophanes mornatus. 20. appelicada woodhousei. 6. Salpinetes absoletiel. 21. Sayones Sayi. 7. Myradiestes toursende. Luite 22. Bruter bordales Caluris. as mumber secn. 23. Scops asio. - hand as we Eremophila alpestris. - Tage flocks rode home at night. 9. Dendroèca anduboni. 24. Laphortyx ganubeli. - a few. 10. Carpodacus frontales. ! 1. amphispina Coloneata. Manmall: -12. Louotrichia Cencophrys. These callotis testains 13. Seling Cla socialis anzonae. ? " hus subrillens multació

Oct. 27. 3467. Cet. 25th.

Semulary Valley Scamens; 200.

245; 472; 151; 97; eul., 29; 3 Prairie Walt - Common in this vegion, Howled all night 4. Striped Spermophile. - Och grape, 3/ tarsus, 24; mite, 27 lel., 9. Frides, white in the megquites on Clear Creex 1. Canon Squiriel. - a minuter 3467. Viceanerpes connecuorus were seen on the trip. 1 no. 230; 438; 6. !! nairie Dog. Ce lou 3469. Melanerpes sormicwoms. fad. animal was seen muning 238; 460; 142; 91; cut, 25; at a distance which Isus caje, 28.5; tars., 2.4; mite, 26; - freet was a prairie day although it may have beter 33469. Asyndermus 10 ry rates & an an arctomys as A was a 292; 5/57; 169; 106; ent, 30:5; good way off. ce, 37; tars, 28; mite, 3/1, 3470. Asyndesmus torquatussas. 3 288; 535; 162; 107; cul, 32; 3 gapi, 36; tars, 28; rute, 30;

17t. Varde to Clear Creek.

2. to mud Janks

3. to Baker's Butte

4 to General Springs

5 to the Lake Tanks

6 Ao Janks near head of Cañon G.

7 to Steturn Canon Cor. + libien Cr.

8 to Cibicu Cr.

9 to Carrizo Cr.

10 to Forestdale.

11 to Holbrook Road 14 miles fr. apache.

12 to Fort apache.

13. Remained in camp at apache

14 to Black River 2 miles above ceasing

15 to Camp on Ash Creek

16 to one will above Sila crossing of Sub-Aguay

17 to San Carlos agency.

18 Remarked in camp at San Carlos

19 To Coyote Springs.

20 to Wheatfield

21 to Satt Phvir.

C. Forato Cr.

(Oct. 18 tt) (Qet. 18 th.) 53 1. 11. amplissinga belinesta. - a few in the abundant. negginte thickets. 26. Finnunculus spanierus. 212. Calamospiza Occolor, - Que only. 26. accepiter cooperi. 13. Cardinales orrginiames. Hour Seur-27. Circus Mudsonius, Common Call-note exactly like the Eastern Species 28. Lophootyx gambele. One flag 14. O'spilo aberti _ abundant 29. Ordea horodies. - Several 15: Scolecoplagus ayanocephalus -30. Butordes viorscens.
31. Sturnella neglecta - a Seur.
30. Wermillio Hy catcher, - Oug, In immense Leveko about Sa Calor 16. Lauthorepholus reterocepholus do. 3427. Phryothorus Velocety & ad. 17. Comscorax - Obundant, of note deffers from the note of 135; 182; 55; 58; nost, 11; the Ravino lutherto Seen! gale, 18.5; Tarket, 18.5 (also); rute, His probably var. Cryploteneus. 16.5 el., 5. Frides, hazel. Bell, 18. Typannus voerperano. - a fen. with mandible flesh-color, 19. Sayornis Sayi . - About San Corles -brown maxilla, blackesh. Sarsi, 20. Ceryle aleyon - Common. 21. Celuturus aropygialus, Common Leet + claws, fromish-black. They are oftend found in the boushwood along with Picies 3428. Cardinalis virginianus 6ad. 238; 309; 96; 124; Cul., 19; 22. Pilus Geoleris - abundant Egape, 19; depth of bill at lase, 18; width of will at lase, 14.5: tan, 24. 23. Sphyratreus varius muchalis rute. 2,3.5; cli, 8 Indesihord 24. Colottos auratos respersos Bell reddish, with brown discoloration

(Oct. 19.) 57 56 12. Milospija Joseiata Jela bolta, 13. Scolecofhagus ayanvechhalus. Several A inde of me a few Shorterny histis, and 14. Vouthweephalus icterocophalus a I is wall I soil !! 15. Sturnella reglecta. should live I I have to 16. Ceorous corax 17. aphilosoma woodhousei mutell 118 9. high wh amore. 18. accipiter cooperi. de la few le ce el que 19. Bubo virginianos erut oaks were sound 20. Johnsty zambeli (Seconsfige) 1. Oroscoptes montanus 1 2. Salpindes obsoletiss, abundant; surging The General San por Allule 3. Chains, your outens, - Several. Its note is like a low call 3436. Limmonlus sparverus 1 le Robin. Fym. 277; 605; 187; 136; 4. Lanu ludoviciamis exembitorides Ohl, + ceri, 14; cere, 4; oul, 11) 51 2 Iodaris Airula Jale, 19; tars, 37; mte 33; cl. 18:5; 13/437 Phainopehla mtens 6 ad; 200; 292; 90; 99; cul., 11.5; mostil 8; sapes 16; lars., 20; aut £.19; Elani, 6. 20 ides, red 6, Zonotrichia lever flirys Singing delighter 7. Sugella Socialis original. 8. Calamoshiza becolor. - Eugral flooks near Mu Jila. 9. Popilo maculatus megalonyx Coyate Springs 10. Tehilo aberti, - In the Ala bottom

(Qct. 20) 59. 58 (Oct. 19.1 We lest Coyote Springs at 3438. Salpinetes disoletus, 7 ad. 5.45 alu. and reached the 150; 225; 68; 55; mist, 14; gafe, 22.5; Lars, 20; vite; 18; cl., 4.5; hear Coyate Ding; City of Globe at 10.30 a. Tu, and I Encamped on the Stream running Mirough Globe at 3439. Calamoshisa becolor & ad a place called the Wheatfield 185; 297; 910; 78; enl, 15; gape, 15; tars, 25; mtc., 24; 3440. Calamospizar bieolor das The distance travelled, being nules The road to Globs was through mesquites & Thoghorius + Lingar Perries, the 187; 297; 90; 78; oul, 15.5; John, 15,5 start, 28; mtc, 25; Grant Caetus was plentiful (du south, deles of hills after we lest Globe 3441, Calamospina bicolos à at Mear Coyoth Springs wir Bashed 188; 300; 93; 80; cul., 14.5 gafi, 15; lars. 25; mte, 24; some rocky mounds of coarse gra - ite exactly like the hour of Rocks, Vafter we reached Globa Sound a 21. Populo chlorieros, - Several. goeat deal of Michame book 22. Coloptes auratus mexicanus Une whole mountain was fuled 24, 22 2 Dolichonyx wrizworus. The with huge grante bowlders, studded Birds - Bobolinks"!! I "Red with grant Coats of some of the cache gran night out of the source of the grant of the grant of the grant of the grant was the calling cache with callonwood 25. Sunco hienales orgones 26. Topilo Maculatus megalony

14. Philo Juseus niesoleneus; 60 Qot. 20, 1. Merula migratoria propugua Aries are a little less harsh 2. Harporlynehus crissalis 3. Croseoples montanus Than Ophilocoma woodhousii 4. Thainshipla viteus. - Zuite a I not milike them save in number noted along the 13. Pipilo aberti, Que ortwo seen route. They skulked in bushes + rettered a shorter, lower of (6. Pehilo chlorums. - Common. more exploser note than 17 272 Dalichonyx organorus -) the call-note of the Robin. saw a block, whill may have been Bobolinks, Slying Gran 5. Salpricles obseletus. - abundant 18. Sturnella neglectal, Albandant 6. Lanus ludoviciamis excubito. 19. Comus corax! - Kather common. - grides . - One seem 20, aphelocoma wood housei, Comm 7. Carpodacus frontalis, - Hull of 21. Cyanocitta Stelleri maerolopha, On Song & abundant. pair near Globe, this side. 8. Voorcetes grammens. - afen. 22. Sayornis Layi. - One hair 9. Spirella socialis arizonae ni Globe about a dwelling of 10. Landrichia lencokhrys one of two seen this side 1. Juneo hemalis oregonus. 23. Lyvannus voeiferaus, l 12. Omphispiza bilimata. a w. ferre a cathred along. 13. Cardinales virginiamus. 24. Vicus scalaris, - Leveral saw one hair + General alle in mizgintes & collonwood Crook saw one gemale. all

Qot. 20 63 62 Oct. 20 33 Zenaedura Carolinensez -25. Centurus wropygialis. Commo The were seen prear offote mi the Collowwoods They quite lotter side and large flocks all the way from Globe + scattered ones this side, The this came - Usually the first places seen on the Sound in twos. Phree shot 34. Circumater one shot Svere all males, 26. asendesmus torquatus. teoyot. - Our seen near Globe Goundant in Mu dead 2. Lyons callotis texianus Seviral tops of collowoods near this danch. 3. Lepus sylvaheus muttalli, -a number seen tome shot. 27. Colaptes aurabus mexicams they had short lars, barly tipped with black. Wen common. 8. Bubo virginiams, - Oue blew past camp just at 4. Canon Squiriel . - One or two. 29. Thummaulus spanerus 30. accipiter pesous. - Several. 31. Butto borealis Caluris a number of pain seen, of shot one of a letyraph full I one on a collowood. 32. Lophortyx gambelt. - Exend-- myly plentiful all along,

64 /Qet, 20,). 3446 Oct. 2 Mealfield, 65 3442. Cardinalis verginianus ba). 3448. Centurus uropygralis, Lad. 245; 3/7; 102; 1321; cul. 19.5; 249:438; 1321 100: gape, 20; depth of bill at baso, 17; width at base, 14.5; tans 28; Cul, 29.5', Cape, 3'4; tars, 24; rute: 0,29; el., 11, mite, 26; el., 8:5; Foredes hazel, 3449. Pipilo Juscus mesolencus Sill, fall red, Tars, feet & offer. Zuite your not skined. Claux, bown, Globe City 3450. accepiter Jusque 9 juv. 3443, asyndesmus torquatus & ad, 355; 675; 207; 179; Cul, + cere, 20; eure, 9; cul, 13:5 286; 555; 173; 114; cul., 30; Wife spilar 5; tars 26; rute, 31; Safre, 19; Lars, 57' Mite 45-3444. Clayadesmus lorguatus & Juns 345th Popilo chlorurus ad. 272; 5-25; 160; 102; end., 29; 188; 263; 85; 99; cul, 13; Palm 33.5; tars, 26; rute 30; Suigo!! Wheatfield on Pinal Cr. 8ahe, 14; tars, 27; mite 23; el 3446, Centurus wropygralis & ad; 20 2 30; 430; 129; 930; cul, 29; Sala, 33.5; fars, 24:5; mite, 29; Olay 10.5. Globe Cety 3447. Centures mopegalis bad-262; 448; 138; 99; cul., 32; Jale, 37; tars, 24:5; note; 29; Cel, 11. Wheatfuld on Vinal V.

66. (Qet, 21.) Qo4, 2/, 67 1 Mesula migratoria propingues 9. Polioptila corrulea. 2. Proscoptes montanus 10. Dendrosea anduboni, 3. Minus polyclottus. - Two seen 11. Phainopepla nuturs. - Several together, The first on the try , Call-note heard only. 4. Regulus calendula . - a fen. 12. Carpodacus frontalis. 5. Salpinetes obsoletus. - abrudant. 13. Vo occetes grammens. 6, White - Hervated Wren, - Singing, 14. amplishiza bilimata, abundant. 7. Camptocephalus Gruncephalus. 15. Bonatduchia Cencoplerys - Luging Quite a munter seen among the 16. Duneo huemalis ovegoms, grant cacti. Their presence 17. 18 prella socialis assionac was first amounted to be by 18. Pencaea boucardi - Zuite a series of stirring notes attered a munitor been meth Sent in we as a passi caught my in the act of chopping down the 19. Sthilo fuscus mes leacus grant Cacture. after a lerrible Its note vis squarky and harsh Clinit of shot one of them of Item uttered as The brid afterwards occured a fair of Dita on a grante boulder them, and that were clumbudg agmongst The serub. about some Spanish fayonets. 20. Popilo aberti, - abundant 8. White brown When. - a number after we reach. Salt King Seen. Their note is Wren-like + 21. Philo maculatus megalonyx they also have a harsh ong. 22 Otipilo chlomes. - This to The above common in places

68 Oot 21 Oct. 2 2/,69 23 Scoleeophagus eyanocephalus Cow. in search of Whitney's ayundant on Salt River. Cwl. We found several Gela 24. Sturnella neglicta. Woodhealers going to roost in 25. Cardinalis Virginianis, Chi holes in the cache & contended 26, Como corax, - a few sur. That no Dwes were in 27. Fynnomia eyanosephala Mose each, so gave it wh after culting several down of 28. aphelocoma wood housi' fridling both awl Twooder 29. Sayornis sayi - a few of latter in the hole, 30. Sayonis vagneans. Our 50. Celapas mexicanis. - Que was seen comy to roost on Balt River. in a gradet cactus abundant 31. Mitrocephalus rubineus mexicans 36. agnoremus torquatus, - a I Two seen on Pat Rug member seen in Collomoral 32. Transus voerberans. A fun 33. Prèus sealaris. Rather comme along Salt Kusy. 37, accepter Juscus. - abundant 34. Centurus mopygralis, - Very 38. accipiter cooperé do plentiful in Salt River Valley 39. Folev Sparverins de + the adjacent region, where 40. Butio calaris - Condant: 1 shot they were found in megajuites 41, Giocoecyx conformans collonwoods ton the grant Thos seem on Sat Hus Caches. Gent. Crook way. 42. Tophortyse gambile, Exceedand with one to cut cacti - Myly allowed and

70. Oct. 21. Oct. 2 # 5 71 13448 a. Mouse . Fa, Nove to eye, 13.5. Cleve on Salt Rivers Ear, 22; occupiet, 28; noot of tail 44. Andea herodias. - abundant N 100; and of autstretched hund - leg on Salf Progr x. 140. Ears, height above skull, 18 46, Ceryle aleyon, - One an Salove meatus, 187; width, 15 Salt River. 702-am, 14; forsfoot, 9; el., 1. Leg 94; Hind foot 20; cl., 1.5 Yail 105 Oct, 22, 1884. 3448 b. Mouse Fjiw, belongs to above have t. 47. Luerquedula carolinensis. 45. Pocheeps . The Sur! son the above on Salt driver. 49. Cryschus voriferus. a Salt R. 3449. Campo cephalus brumesphalus 50. Joingoides macularius de - 2 ad. 219; 287; 94; 87; 51. Salamospija bieveor. Iwo N cul., 25-; noze, 17.5; gufa, Maninalo, 30; turs, 32; mite, 28; del 7.5; Doides rich, bright hazel, Bell with Tepus sylvahous nullalli abundant. Conver Squiriel Course Mouse: - Caught one in maxilla cum beous - black a Thole in a glant Callus mandible Healt-color cother chapped down for Outs, Stading to the Senish at le! there were two in the hole Clawa Set whitele & Salt River Coyote - Que sque 34470. Mouse. Pynv. 3450, 6, bruncephalus & ad 52 Milospija Lasciata. - a. 3214; 280;85; 85 (buth alike) Salt Phirts cul 24.5 1 / 25 -11811/48 2 9/25 tass 50

nute. 26,5; el., T. Colon as above. Qct. 22. 73 Croscoptes moulanus 245-1, 6. brune aphalus + 20. 2. Regulus calendula -210; 268; 82! 84; Quest 17; 3. Cedupitocephalus brunnicephalus, a gale, 30; tars 28:3; nute 26; Soon after braving camp on Salt Cel., 7. Colors like 3449. 3452. Whee-browed Wren. of ad. 4. Salpinetes oboletus . - abundant. 139; 180; 5-7; 63; most, 10.5; gale, 18; tais 18; rute, 17; 5. White-boourd Wren. 345-3, Valeo Wheatfula & Salt Printing 345-3, Valeo William Winesfield + Salt Party 345-4, Centurns visopy grades bad b. Phainopepla intens. - a few of both seyer . The made Mere all glavious. 259; 430; 132; 914; Cul 33: 7. Dendrozca coronata. 3455. Mutrocophasis mex, 8 mg 8. Lanins ludquicianus 2x en Concerner. 15-3; 262; 82; 54; most, 9.5; 9. Carpoducus frontalis, - im cul. 15; 8 1/1, 19; lass 17, 5; until 15; 8 12, 5; an Satthur. 10. Poorectes ore remens confins Qct. 22. 11. Spisella so eiglis arizonas We rode from Salt River well 12. Annes primales oregonnes We on Donto Creek, where we 13. Lonotrichia lewcophnys sucamped ormong some fine 14. amphibisa bilindata, april collowoods, but in a heavy 15 Papilo allonoms. - Scarce. rain stom that southed everything 16. Tipulo aberti. - a pen.

74 Oct. 22 Oct. 22. 75 17. Poplo fuscus nessleuous 35. Oxyecheus vouherus, - Com -18. Scolecophagus cyanocophah mon along Loute Creek Ou 19. Stornella neglicta, Common, block of 12 flynn, 20. Comus corax. - a fer. 36. andea herodas, -an 21. Sayornis Sazi. - Common. Salt Privar & Jondo Creek 22. Lyrannus Everperans_ Common. 3.7. Fringordes macularus, Cy 23. Pieux Scalario. - a feux 38 auriparus ,- Ou 24. Centurus wropygralis. - Leute numerous both on Salt Phon of these Titurce came close and there along Canon Crux. To me in a mesquite bush 25. Colaptes mexicano, Moundant crawled under after a wounder 26. asendesmus torquatus, - Linte a muler on Jouto Creek-Pharmohipla mittens, Old nests see 27. acepter cooperi. - Common. 3 9 Melospiza fasciata. - Several 28. accipiler acionis. - Commen Seen on Salt Power and an 29. Butin boredio calvira - innum : Youto Creek! 30. Pruse Divarrier. - Une. 31, Pardien haliactus, our on Loute Crack. 32. Minumerica Sparverius. 33. Zenaedura carolinaisis. 34. Tophortiex gambre. - in - mon del along. over teat

76 (001, 22, Oct. 23. The men caught large strong To day we loft camp of Bong-tails in both Salt on Loute Creek at Cix y la cure Orwin & Canon Creek, some That Stream as far as where weighing a couple or live pound it descends from the canon in Frogs like those at Verde the Joothills of the mikalones are found in both streams Then we had some stick San Carlos Privar Climbring for a few lines before we reache the crossing on the Wild Rye. We followed On miged Kalllesnake the Wild Rye to the Slore of Killed on the Joula Czeckthere went into camp in We passed Mirough a large grove of one ght green wooded a pouring rain the last mez quite thoms, it greasewood sex, or eight miles of the march having been very bardy desagrecable, The grant Caches Farge white-spined cache, very hoisenens we send, 1ston brigh. and Incea were found well, up with the hels after we left Manynals .: fonto Creek, but they desaffig 1. Lepus mittalli, - Common 2. Lepus Cal. Legianis . Common before we reached Mud Spring" 3. Treplietis - or a around camp two sinles the other side of 4. Ves, 2 1.13 (leng-coned) the Wild Olye Er Siding 1

80 (Qc/, 23, C (27.23. 81 22 Symprosuca cyano esphalar d. one ille, ... it with a entity but could not 23, Sayomis Bayi. - Commerce. get a sitting Phot : :: si 24. prannus vociforans. it on the wing . Had I had a Several Flocks, One 11 as carbine of a ul. kentilias Ale Cargest Derge Saw -about 25. Preus scalaris. - a few Kelled mi, first Tolden Eagle. 34. Genardine Carolinenses. 26, Centures uropygralis, Cen abundant on Jonto Creek. 35. Tophortyx gambeli, - Ex-- mon all a of Toulo Crap - cechnig , 27 Colaptes mexicans, -Com 28. Bubo vergmanis, Jeno Bills macularius, -a on Will Page. 29. accifiter du sons .- Common 30. Modifiter cooperi. - Very director Jordo Co Ki 28. Oxycehens recifering, 10. - met all al Souto Creek 31. Butio borsalis calvinis manmato. Common. Five seen in the air at once. 32, I municulus sparverus Lepine millalli, - Common 33. agin la Ohry sallis Canadensis Tehus Thul. Crook saw in a wind Thirted gopher. - a few seen or

82 OE 1. 23, · (Ost, 241) 83 Joda Cr. to-day we left camp on the Wild Ryead Forework and 4. Nephitis . - Cline SKull of a mile collected. after following that stream for a considera! detamee, start -let over the more terms, and ranchabove the Note. - OHA Store on Wild Ryc, of Door Carre to in terroise learned that Rid Birds are serut oak and a scattered common then, They were growth of cedar, the country very described to me by a lady who rolling & broken by la ! Selleres called me in professionally as We crossed several listle Cike a parrot," bleam having a few collowing and Edur Beril, a feri Beaver. - I saw fresh Beaver Stream with party of to one "black ach "(looks like beroly), Signes on White River, Me Gila, "box alder" and other shrubs, and on Salt Priver and Fouto Creek, and old signs after skirting Pine Creek a little on Pine Crick. way we crossed some more Mills and took a trail leading down some sleet, hillslides, densely alothed with a species of evergreen tree who I never san bakers, but gathere opernens. the

84 ((0, 24) · (Oct, 241A) 85 Leapt Bourke called it 1. Merula sugratoria profungia. - Ce peu " Hornsalen Cyfreld. The bark is ni one place in some collowoods I Town like, marzanta with streps 2. Sialia mixicana. - Two large of old a joy bank. The breezence . flocks seen in some cedars, nall small on the hollots, inattering Their usual Call wite of also a sharp raille Like the a soine to large wandsome how Eastern Bluebird in autumer. 3. Regulus calendula. - abundant. There are large areas of these tries 4. Salmietes who weller, - Common. Of the jud of the trail we 5. Dendrozca anduboni, - One or hoo. Lound a nauch + the circ train Thatural Bridge, over 100 leet high tar 122, grand 6. Phainoppha mitens. - Linte a num. -ber seen. The mailed all flowerens thing I Beneath At Greace are and both onces withing a robin-like note-single note. son Teavers will adders heare Att entrance They could in t. Lanin Culorrorams exembloredes higuesite stellastites + tu y mites S. C. spodacus frontalis. A few mean of Paretain. a few seen and brantiful line inercilations zone of which I collected, We encamped on the stream a 10. Junes heliciais regonus, - Seales 11. Trefla socialis aryona mile of two above in a beautiful grove of large oaks. 12 on bustrictus ... iny . Surice 13 Papier dus ens misulantes 14 Palilo o caculatus mes onyx. The

27. Gymenst dea Charlis : 1.87 86 (Oaxt. 24.) note of this berid is letie the Culbinis, wash that of the 3456. Centurus urofygialis, Fad. above is more harsh and 237; 425; 130; 90; cul, 24; soveaky like Wivotionse's Jap gape, 30; Lars, 24; mte, 29, Both species very commont-Claw, 11. Shot mear camp on Salt Russ 15 Shruella neglicte. Common 16. Corvus frugivorus. - Que 3457. Phainoppla intens, bad. 200; 295; 91; 99; enl., 12; most., 7; gape, 17; Tars., 20; mite, 19; cl 5:5; Shot on Fonto Crak. flock seen. Wo Ravens seen. 17. Ophelocoma wo Thouse, - Comman 18. teganocitta stelleri macrolopha 3 458. asyndesmus torquatus pin 15 Wood seen till 112 struck the 280; 535; 168; 106; cuid, 27; gale, 33; tars, 25; inte, 29; Cl., 10.5. Shot on Jonto Creck. cypressed near the natural Budge 19. Trous villesus, - not seen lill Tox reached the Hatural Bridge. Oct. 23. 20. Colopiles auratio mexicamo Courseon allileng, 3459. Cecitionis wropygralis, fad. 21. Chronicles texensis about heren; 245; 428; 129; 93; cul., 26.5 gape, 31; Lars, 23; mte, 29; Cl., 11. Shot on Louto Creek. 22. Accepter cooleri. - Scarc. 3460. Centurus wropygrales Lad. 23, accipiter airens, - Sunice. 263; 465; 140; 102; cul, 33; 24. Finnmedlus Sharverus. gape, 37; tais, 26; mte, 31; cl., 1/15 25. Buteo borralis calinis; Commer 26. To writge yamleli - Common

88 Oct. 25. Oct 25 - 89 Sycamores, walnuts, "blackushi In-lay we lest count attime "box elder", every maple. nour at the 6 o'clock, a. m. and and is a delightful place. ofter oscanding some steep, long # 112 reached the price O The birds some in south were Merula omgratoria propuraria: Sea ca I in se for the first time on the return triff + we sound straightman 2. Sialia Miyee the birds which of the Union 3. Spizella socialis arizonai, 4. Juneo hiemale's oregoningi) We passed through a Misty mercuon town, and afterroids 6. Palpinetes absorters, - on Hossiel Rose the settlement on Stromberry Balley 7. Lophophanes mornatus, - a few on on the outskirts of which WE The outskirts of the fine of 16.1. the lines and their com-" Juniper true! - whom the oal's of both the 8. June montaines, - after reaching Large and Small-levered spelles, the circus common in bibe after a while we reached "Hant to table Will the do were to tossil 9. Litta currhumis aculcula - " C. Bote My nach. - Burral m. T. Creek, where we want into count, after travelling 14 miles. Follell creek To me the botton 11. July Tilendula, - Comenon 12. - 26 100 \$ 18 relacis. a cal Carion contains 1.3. Collet Lusius M'svieneus many cars and cliff-dwellings Dien Freis Will. and the margin of the stream 14. Sible whaques eyantechliches Nie well worded with leaned some

Oct. 25 91. 90 Cext. 25on Fossil Creek, 15. Bervus Cirax, - Livo Lail. 16. Corvus pregnarios. - Serviral 21. Preus villosus harist, In the pines 22. Melanis, it formulivorus . - Exceedings reen along the trail, chiefly near the cornecides at the abundant tall the very through 2. Ellements, Q'male Cooper the pines. I sais Theme your with account in many ? House olivered one, it envirole it to a right as hammering them with the fack 23. asyndesines longuatus -Very Almas it allowhted in join Two durs, is any cut abundant in the fines! length, houser of the Crown B. Let Le Alex. Co. Il minist luned the lains and lost Elle on the ground. 24 Colapites auratus mexicanus The hawk, whitey it I wan Common all rlong your livered and doubted at 17. Bynopica equivorphala. Several tocks 25. accipiter cooperi, - On. 26. Buter berealis Caluris, - Fine actuells shot. 27. Circlus mexicanus. To consette ul ri norina aristina The One small plock" among the sorks on the many 19. Ennur Gilta slitteri. Comm As us 20, uphlosoma who house

92 Oct. 25 · Oct, 25. 93 Canon Squiriels .- Common 3459 a Securus iberti fai nose to eye, 30; ear, 57; - delil treek occipiet, 69 ; not of tail, 280; Price Squariel . - Noundant in and outstratelied in + Con 435 The tries ; three & hot Ears, height above skill, 36 Proces are Lound a Folkiling mer 11 43 11 29 Coons + Bearew + Bears -. Tail from root to en 15: 6,20 230 Les y Cayales are in the hairs, 310. Horam, 5-6 Skunt sonces vito . 1. Daniels Log 83; 11110 200 hulled 11 [346]. Calamoshiza occolor (ad?) Between eyes, 35 Chest girth 170. Ear tufts (not mel me hight) 38 343-9 Craco Survey Settement, East of Shautes, 175; 292; 87; 72; cul., 14.5; 90/1,14.5; tars 25; site 23; cl., 65 3462 accepter cooper Jus Nose le 33 ; ear, 5.8; occiput, 71; noct of tail, 290 26; cere, 11; cul., 18,5; gape, 27,5; tart, 67; mte., 57; cl, 117, stomuch. end of outstratched hand les, 440 Cars, height above thill, 40 docales, Jellow, Both of the alie & hot -Tail from not to and 15 le orac, 234) 3463. Circlus onex reams too. hais 320 7008-ann, 58 187; 295; 91; 55; cul, 19 just, 12 Indes, husel. Bill with maxilla Williams from ducky with the mandible fright will snading to ducky at his tarribect tells flesh colors Partiette, 40, 36 Chest gert, 180

94 (Qct. 2) (Oct 2) 95 Mammals: - Sant, Covok shot 1. Sitta carolinenses aculeata One only at carmy Z, one of three at 300 yards. 2. Salfunctes obsoleties. - Very 2. Januard asiations dorsalis abundant in rocky places; Commo in rocky places almost gregarious Olon you wany singing, Evidently migrating 3 Lepys Callotte lexiamis, Ou 3. Jopho/ hancs inornature. I seen at Camp 2 was the Cestart. Sevaral Seen. content of sour 4. Eeremophila alfestris, Que or 4 thomas - Fresh ligne new two small flocker. selfat Carrel ? 5. Lanies ludoviciamos ex cubi--torides, - Ong. 6. Carpodacus frontalis, - a few - Slocks t. Jonotrielia Cencoplings. - Chearings). Vijilo aberti. - Celear Creek. 9. Pipilo Juseus mesoleneus.

97

(Oct. 2) 10. Spirelle everales asyonal . - Com. - nuon along the societi. 12. aestivalis. - a number an enought the low only. int Con "two x 7, 11 12 Wihelacoma wordhouser, -a Serramong the cedars in south 13. Symnotica cyanocephala, Schrand block were seen along the rolite. 14 Corous corax, - a few scattered afong the entergoutle, 15. Sayonno sayi, -a Lew at ines a touse 14. Preus scalaris. - In miggittes along Clear Creek. 17. Lieus villosus harrisi, - at Camp to one was seen

100 Oct. 2.)
18. Evlaptes auratus maxicanus
The gre seen at Camp 2. 3361. Messina Quail 7 jui. 3362. Mellina Quail Sprit 19. Melanerpel Jonnieworks, - Non 3313: nullina Quail affer, Seen motil we plached Camp 2, where we first struck fine - trees. · (Qet.1.) The species was there abrund ant. The Gent's party arrived of What 20. Olyndosmus torquatus, - Lewi, Crook at 3 oclock. after dering sand several on the way tat Capy 2-Ceapt, Russell's, we started 21. Pandron haliacetris, - One sien olit to Camp 1., at DEhorris's 22. Buter borralis cal, Serral pairs on Clear Creek. We did not reach camp until after 23. aceinter Justil. Several Scen dark. The ladies went 24. accipiter cooperis do down to see our carry and 26. Johnsty gunteri, Jouly say as it was late Mirs. Kuls the means concluded to try staying in Campale night + go into Verde by daylight! are placest 2/3 may to Camp, 2, Shot 27. Coturnix massina. - 9 hushid The only brids seen were three near together, each at 1 Cothartes arra my just + Killed them cachat 2 Turmentus sparistrans. direct short 28. ardea herodial. - One one 3 Houndo enthrogastra 4. S. mis sadi Clear Creek.

107

Clarve, blackish Shot at Camp 2, 209: 330; 105-; 91; cul , 18; glaps, 21; larsus, 25; mite, 23; cl., 7, 33 68 Corvus Trugworus Trugworus In hazel. Bill, larst H. blk. 485-; 970: 327. 213; cul., 42; gape, 5-1; tars!, 56; mite, 3-2; cl., 14, Shot at Camp 2.

336 Glsyndesmus lorguetus ad. Shot at Camp 2. Irides, hazel Bill plumbrous - black, grayish at base of mandible. Tarki du Let, plumbrous, Claws, plumbrous Iblack, slightly brownish at base. 280; 535; 172; 110; cul. 30.5; gafé, 36 ; tars, 25; mte., 30; 33 70 asyndeshus torquetus 282; 5-20:167; 120; cul, 27 gapi, 33; tars., 24; rute., 30 Cl, 11. Colors as above.

113

114 Oct. 4th

3370° Sciurus hudsonud fad, 25 nose to eye, 24 jear, 44 occiput, 53; root of tail, 197; end outstretched hind leg, 2/2 Between eyes, 26.5. 7 Frearm, 38 Forefoot, 34; longest claw, 7. Elaw, 7 lind-foottel) 45. to end vert. ,130; hairs , 175 Ears hight above SK. 20; meating 24 3370 Santies hudsonies. 7 ad. nose to enge, 23; ear, 46; occupant, 55; root of tail, 205 and of outstretched helid log, 325, Between eyes, 28. Horeann, 39 Jurisottel. 35; el. 7 Leg 52. Jail from rout to eld vert. 135; harris 180. Between eyes, 28. Ears. height to from Skull 24,22 from medies, 26. ; wedt,

116. , bird flying. alters of the party one there sheeted from the protend, where they were cating a como breath the oaks I these agoms are as sweat as chestrute, and the Jugions feed chiefly on them Eapl. Polite saw a han alo. 10. lujan o-citta stelleri ma erolopha Very abundant + vo experous 71. Ayunopica cyanoesphola. al number of Slocks were seen all the way from Camp 3 to, 4. # Dendrozca auduboni, - The first, mi flocks were found may Clary 3, First seen 1880 Juneo hemalis dors ales. Von, abuit 120 Regulus calendula. - Fratisan 13. Cathes montances. - Very abundant. 1/6. Sialia muxueana 17. Centra formelians 14. Sitta carolineusis venleate 15. Silla Jugmaia 26. Salfinedato observetus am

118: Oct. 4. Minimum Qet.4 119 3370° . Januas 8 . Far. 7/ Vreus villosus harrisi dad. nose to eye, 17 ; ear, 30 240; 424; 130; 94; ent., 325 occiput, 38 ; rout of land, 140; Jale, 33.5; tars 24 inte 24 de end of outstretched, hind leg, 210-010.5. Dit Horearm, 24; forefootsel. 18, cl., 5; Leg, 32; hund foot + cl., 337; el., 4.5. Between eyes, 15 Ears, height above Kull 14 From meature, 17 width, 14 33712 Seines aberti & siv. no measurements inten Mannaid sceni; 1. Mul Deer. 2. Leoyote. Mail, from root to end vert, 96: hairs, 120; Ears, 3. Juornomy tat roides unbrine. 1. umai striaters quadrivitatus. 5. Secure andromis fremonti. Seen at Camp 4, the first since 6. Semino al'esti. before we arrived at Jany 2 21. Prais villosus harrisi - Very abundant. 12. Melaurhes Sommerrorus a abundant. 13. Asyndernus torquatus a & 4. leolaptes auratus merzeaus

120 Oct. 4 Several seen + heard.

33.72 mer. dorsalis & ad. 1751; 270; 87; 82; cul. 13; gape 14 tero, 22; mite, 20; cl., 6, In hazel.

3-16,200

5. Semino aberti.
6. Seminos budionius Aremonti.
7. Jamas Stratus Star. ?

131

136 (Oct. 5.) 33732 Scrivus aberti & ad 3373 c Sourus aberti, Sad, Melano. Bhot by Hen! Crook. nose to eye, 29 ; car, 52 nose to cyc, 31; ear, 560 occiput, 69; 200 tof lail, 270 occipat, 171 ; root of lail, 290; end of outstretched hand-foot, 425. and of oriestretched hind-lety, 233. Horealm, 56. porfoot, 59, cl., 10 Forsam, 56; forstoot, 47; cl.10 Lig. 78; hindfost, 64; cl., 1] Leg 80 ; helfoot, 161 ; cl., 10.5. Tal, vert, 208; hairs, 303 Ears, higheraber Skull, sk 35 Euro highet above skull, hs 50-1 meature (SK) 44 ; width, 28 meatus, 144 ; width, 27 Between eyes, 36. Ears, rounded. Between eyes 40 Chest with 180 Chast griffy 180. 33 73 & Sturies hudo, frem. Ead. Mose to uye, 22 pear, 45 Noccif. 55; roof lail, 210; hind ft, 330, 7/1078-Jan, 39 : Lit. 35 ; cl, 7

Jegs, 55 : hir. 1+ 51

Jail vert 127 : hours, 168; Ears,
hight above skull, 2 (clim) recatus 26; width, 22. Belwern eyes 29 Ears, Nounded. Chest girth, 128. Lotal length,

Cct, 5. 139 3374 Clark's Crow Lad 4 claws, black 320, 580; 997, 128 rute 34 cl. 13 crop head with 3375 ylocichla la Care de de 195; 324; 10/8; 80; most 11:5, cape, 23; lars, 31; note., 22:5; cl., 5:3. In hazel Bill brownish-blk. blesh-color on base of mand, brown, claws, dusky, fleshy 3376 Carus montanul fad. 134; 275; 70; 66; - 11; gape, 12; lars, 19 ml 13. 3377, Shyrapicous Millianson 9 st., 30; tars, 21.5; mte brown Bill plumbrous-black dazi tt, plumbrous; claws, black

144 (Oct. E.) 145 3380 Sitta Informaca fad. 110; 198; 62 198; cul., 14.5; 20/2, 16.5; tars 14:5; nute 3383. Treus publicens gourdwire Led 179;315;101;78; all., 18; gape, 22; tars, 17; mite 19; d, 9 15+,5-1 el, 6. O Lides readily brown tell; 3381 . Coyamocitta stelleri macrolopho filmbrouse blad , Lersi und + ad, 302; 458; 143; 133 Jed Juni 1910 2. Law dut in cul., 28; Sahr, 32.5; tars 43 ntc, 32 pcl., 9.5 3384. Carpodacus Cassinida 163;276;86;68; eul.,12; 3382 Ceyanocitta stelleri muerolophi gape, 15; Listely, 19; rute 20, 8,3,10; 475; 143; 143; cml. 28. gap, 33; tars, 45; mte, 35el./ 3385 Carpodacus cassini, Fad, 162; 277; 86; 66 · oux, 12,5) gafe, 16; tars, 20; mle, 20, 16,5 O Frides, hazel The of fin transled wie thickly worded with fines a few walks and and low, you Hits inread with bright aspens. It die un Arne 3 38 Lonotrichia deucoplerys ; ad. 170; 256. 81; 79; cul, 12.5; gape 13.5; Land, 24; mtc 23; el., 61.5

148 DA FIN Col. 7 15 · Manuals! -A Sealia mexicana Mule Deer - an Indian guide shot at one at the need of 2 Regulus calendaria 3 Parus montanus 4 Sitta carolineuses 2 . wy . - Every where on route 5- Dendrosea anduboni 3. 7/11/24 i Juneo humalis dorsal & 4 Donpland Bat. 7 Eorvus corax, - Que at Carn, s. & Ceryle aleyon . - a pair at the head of Carion Exek Jonto Baseri 7 Proces vellosus harrisi 10 asind how torquatured . - Found An feathers near Camp to 7 Law some at Carny 7. Il exhibs amatus, merceanny Several selfe to Fin Com, v "12 decideter Auseux, " Or e se un #3. Lucy weller descent it me i little out beside wouch at head a Garion lercek 14. Eyanveited macrolopi. 15 Mynnopica remocificala 16. Picicorous commence, Que

150 (Qet.7) 8 Tynnopred aganocephat51 Other reaching Camp 7, dura 15. Melengino galoparo mexiout shooting find sow. - cana, - Capt. Russil short 16 mora faspiata at a Stock of gone Cronk 6. Tymes themans organis brought in a fine gother 10 Eninocittà ultromarina arizonas The turkey (see David's 4. Les auveithe stellere macrolo ha Conquest of H. Mixaco) was Me came within a quit feet domerlicated by the Bur, & me, your Arian brauch agters in new Wexcoo to branch with Jere and aryona. Let leapt. a most pour it as I Can Bourgue to write it who 5. Empedonax di l'éllis Level Cervois calls turkelys by sucking air Morough Mm 5. Junes l'imalis dinais radius of the bird. F. Surella secio i aregariae 14. Leops asio - Crymy after & Regules colendala dark around camp 7. 3. Herry alries il is 18 Dechioque cyanocephalus 4 Silta carocine used a ter about in such at the 12 Melanespes former 12 16/11) head of Carion Creck. 13. Condes unds (279 11 alus) 18 Splannahusers various un hors see 14 Men mugistoria filipina First Secial Small Time,

155 133872 phyrapicus varius melalis d'ad 226, 408; 130; 94; enl., 25; Jahr 28; tars., 22; vite, 22; , 9. Ins, riddish-hazel; Bill, dusky plumbrons, Jarsi Fleet, plumbrous; claws, dusky short in Camp 7 · Merula migratoria profungua your. no White on tail, 1.265; 435-;146; 122; most, 14 ig afri 28; tars 34 mte 3'0 'Ell, 7:5, Brides hazel Bell, brownish black, slightly yellow at base of mundeble, Les feet + claws, browniel - black bottom of Seet yellowish 149, 238; 72; 69; eul., 11.5; gape, 1/2. 5 hours, 2 Bill, flech-color 5,5 Dides hazet Bill, flech-color very stughtly tipled with Habkish Jarsi + feet, brown; claws, dusky.

16C (October 8.) 1. Merula migratoria ferofinqua Zinte a number seem along Mu voute 2. Sialia Moderana, Common. 3. Regulus calendula 4. Parus montanus 5. Tophophanes mornatus. - Not seen tell we got Mirough the princies near Camps, among Cedars & junipers, Icarce. 6. Setta carolinenses aculcula abusedant in the prices 7. Sitta pygmaea, do 8. Dendrosia audulorii, Common 9, Proceedes granicas confinis a few il line for 13. Zonobrichi lenceflings. Of oland 7 11. Spirella Socialis arizonai 12. Juneo hiemalis ore gomes. a few at carnet 7, Aradus, growing abuildant anie descended, 11 hil direction 162 (October 8) grew season as we god out of the prints. 13. Thereto he wale's torsale 14 Pilo-maculation migilony a Lew near Camp 7. 15, Corrus crax, - Que pair sue 16. Corvus Arigivarus, - a den scattered findividuals tout large flock at 1 11/8, 17. Byropica ey anocephala Large Slocks alighting on the ground, the rear rank --continually plying chead. and so progressing. The whole block yelling like sixty, The attack hawks and roise an awful din. 18. Whelocoma woodhouser One or two at Camp 7, and moreasing in minters all Atra may to Camp 8. 19. leganocitta ultramarme anzonae, - a peur at

164 / (078, (October 8) 165 acher herodias, - Que su Camp 7 & Mence to Cantho Ceryle aleon the Ciricu where a few occasionally seen. Their Ory is " Pelfe we - we" They iswally associated with Long-creited Jays 20, Cyanocita stelleri macrolopha all along the route abundant 21. asendernus torquatus abundant all along the route 22, Melanerpes formierrond Fairly abundant. 23, Sphyrapieus nuchalis, 24. Preus villosus, Caney 10 one seen. 25. Ceolaptes auratus mexicanu "Very common 26, Bules borealis calunus a few near Camp 8 27 Buteo suamson 28, Ene ut Comp 8 mercana, an

166 g. T. trebeger 1. Oct. 8.1 Indian shot & with rifle 33882, Scuris aberti Sad. I wanted me to buy Then Trose to eye 28 : ear, 5-2; our \$ 1. sachi occiput, 66; root of tail, 285 3388. Cyanocitta ultiamarina end autstretched him les, 445 arizonta 9 as; 330: 517: 165; 152; enl., 29; safe; 35; tars 45 mite 8 35 el. 1.1 Tail from root to and of hairs 315, vertebrae, 235-Ears width, 28; height above skull 3/ ; above meatures, 39 Bide plazel. Bill mottled black & yellow. Jarsi feet & Clarve jet black. Some toll-feathers shot and) 3389 Cymrocitta ultramar. Between eyes, 32 Forearin 63; forefort, 46 clary, 11 Eur-trusts, 19: Mendfoot 67. 340:525; 168; 162; cw., 30; cd/4; lass 44; Manmals: mld , 36; cl., 1. Coloss as above ! Seriorus aberti 3390, Asen desmus long unties 2. Phonomys lalfordes umbrinis. 10275: 535,167,100; cm, 27 3. Lepuis callotais texams. gari, 35., Las, 25, mtc, 32 4. Harmophilus grammurus Cl ... 11.

168 · O oto bes ?! 169 3391 Clemdesmus torquatus 1. Turdus pall it and born, -285, 550; 172; 109; cul, 30; lars, 29; inte 30; Cine seen May - way besturen in · Proseobles montanue. - a 3392. Columba fasciata & ad. Peu + come shot 305 635 207 146/cul 180 gape, 24 ten 29 16 3 cc 10 3. Sialia mexicana. - Obundant 4. Populul alendula_ " 5: In home ils mornalus! 6. Lilta carolinensis. - a feur 1. Dendrozea anduloni. O . Pyranga Indovicianus. - Olu 9. Myradicated tourisends. - Sional Seen in a little camon; they have a very elear sweet Call-not, and were Singue exquisitely. One that I short Crawled builder the sent at the bank of the little brick in the canon + coyeld not le got cit. They make a wherry Sound like a woodpicker Bon firm, trom branch to branch

170: (10 0 0 . 9.) (Oct. 9.) 1. Lepus callotis lexiamis 10. Porcetes grammens confinis Shot. Durgral accus Commen in some spots 2. James. - Gural. 11. Penerta. - Lewong Hoat 3. Rock Squiriel Deveroch, 4. George, Signs everywhen breshes in min the beds of surploused caling haves 2. Juneo been alis orgonis Ving Enboundarit. 13. I pyella governes arigoria Very common. 14. Pipilo maculatus megalonyx abundant all along wad. 15; fonotrichia lucophrys. abundant in place. 16. astragaline Maltria, Living 17. agelder phormice, - al female on a little stream. 1 C. Jal E/ 12011 (11 11 CC) 18. Seolecogephique Cyanocephalus " very large floor simil of own Lange Hoeks mean Camp 8. is Carely, and once kind has 19. Corow crax - Common white, Beref, Crock that 20: Corver Dugwords. - Hook ath thet to phone it has bed at Camp So I am or two seen nut encoul, on the read + it Camp, 7. 21 / Symmotice Cymocepina

172 Large for a seen ull along le word. Some con--lained over 5 3 3 5 . do - 2. Cyanoutta stelleri mucrolopha Excerdingly abundant all along 23. Ganveilla altramarina orizona abundant all algua . One phot 24. aphilocoma woodhousei - Cin - mon all the way 25. Preus villages francisi Que, 26. Splus ofrions varius muchalis Tabundant. 27. Welauerpes Somucirorus abundant 1 28. asendesmus longuatus 29, leolaptes arbatus mexican. abrindent all the way 30. Melospija nielodia, - At Carns & along the stream 31. Butto borales caluris Sen 3 2 Frais seen - One

174 (Oct.9,) 33 Ceolumba Jasceala, - In Thore abundant Man hitherto In the Juneries they will Single of in twos. or, Mires. In the cedars & pumpers lower down (Mesterday), a Lew Aloeks A/3 and 10 Owerlseen. To-day They were in large flocks The tuiber along the monte was pumper, cedar for, a bew Junes and Junton & abundan oak trees both small & lange leaved, 3 4. Johnotyx gambel, - Ou Roberts Shot one. Capit. 35. ? Trochelus alexandri. Len Groot servone T 26. Molathous ale of Minis a fact wow the and so Jano)

178 Oct 101 (0 - 10.) 179. The Carrio is about the size of Still is Co - To Krinin him Clear Greek. She in after les in 1. Soute of the o cyanochhalus the Carriego WE chance to of The Slock still here. Letter large tranch of it called toron suci. . When ledrouroy which & Coir through but die con thethe a dich, frauliful canon, berd, alllingh he Killed I raid with Cottemin of life. - 155 ral of 1. 11. More at Vere au. 2. Luarquedula carolineuses collowwood , which One seen on the Corisa (111) Spolled might, Illen Sie Cicely, i'd working in a latituder on il 3. Mulos fuga fas cata, Sungin These ivere the 15 ("Commontie) Treeds buside l'. Christ J. Soul concluded to start en Ater Mit red at & relocked the weather soon remails, he became Soir, We reached fores I medium 5- juil and in Cop= Dale soon after your o'clock. = silva tremuloides . 4. Myiadiestes townsendi. a feet heard singing in a dech carron a brankled song De Siela nu zicana, - Common 6. Pege tel continues. 4. Sophophanes mornatus, -a. 11

180 181 stroler (U.) in free cedars. J. Silla Jugmaca . - a few when 112 reached the fines near Campe 10. A Sitta carolinensis aculeata. a. Merula migratoria carofingua - Ou or two mean Camp 9. W Dendrorea anderbori - Common, 12. astragalinus psaltria. - Larga Thoses in the creek bottom at Carmy 9, Luchung en Dunglowers. allso serie acc. seven for. The roule. M3. Exumina for a -get in the grass along the mesa above the Rio Conductory Note a loud "check" It funco humanis ore some, - tommon N. Spizella socialis arizonat, lines No. Zomotrichen cophrys -a pen 17. Pipilo maculatus megalonyx, - Com--mon in places. 18. 6. mi corox. - Concruor. 19. Corver 1.00 tre criek tollen

182 (Ct -- 1/10.) 183 20. Dynnofuca ajanochhala. - Com-- man all along the march, 21. Uphelosoma woodhousei. - Com-- mon reutil lez get in te gher you and win the second anong -. . , dola -Harris Comment of the Ahr L 10 - la 2011 - 11 15-1rolled with the of I went to the . bottom. a stone strick me on the head of another on the Shoulder but did not inquire our Exept to stiffer me up some. 22. Ganocittata ultramarina Infort we crossed the 23. Eyanocitta Stilleri naerolopha Very Common all dong 24. Preus vulosus. - a fur. 25, melanerper formicirores. -Common after we reache the him

arsappeared in the distance.

280; 5-40;175; 106; cul 29 gapi36 tas 26 mte 38 el 11 188 (Qct 11.) 189 Left Carch 10 at 5.45- am. and got in to Carry 11, Sexteen miles from It apache on the Holbrook road at 1.30 P. M. 1 Merula magrialoria propungua 2. Sialia mexicana, Common in small flookes. 3 Regulus calendula, - Che or hor 7. Ditta carolinensis aculeata 5. Setta Jugmara, Both Sittas com. 6. Tophophanes monaties, a dem y near Camp 11. 1. Dendrozca anduboni, - Commer 8. astragalnius psaltria, - a few. 9. Spirella Socialis aryona, Com 10. Times premales organico. 1. Denco hiemalis Edersales ? Lonotrichia lencophrys 13. Scolecophagus aganocephalus, a Sew before we lest forest store 14. Eorous Arugivoris, -a den Jugar Campoll. Corous corax. a few

190 (Oct 11) (Oct. 11.) 191 measured the largest outle, Ceganocittà stiller macrolopha Seen to -day. Circumference a Thry Common, It has a melly lettle over 3 metres. Estimate pluste beside its various crue height 20 metres. Pines were seen over a hundre T. Lynnopiea cyanocephala det in height and about Stitles Days are great dighters The small leaved calls were of hester all Kinds of Araphiles & Dwls, assembling on gozat. seen during the last half docks to amuse themselves in of the want of are abundant thing way. To-day they were with the large leaved hereat yonging a Red-tast of C County 111 Sharp-Slummed Hawk a beautiful dark red Dum S. Empidonax was found, and a handsow fragrant mustard-yellow. One was shot in the Junes on the highest ordge of the Strewberries (Fragana) plenty mountain over which we also Violas 19. Preus villosus harrin a fui a small fine with lattle comes grows on the mountain 20. Melanerpes formeurores Fir free were numerous. Common. Law the holes bond by them to store acoms in dead trunks

192 (Oct.//,) · (Oct.//) 193 Manuals 21, Claudesmus torqualis 1.0 rocyon migrifiedes. - Ce Racer Very common, They was shot at in some rocks agreak like slickers and by Eapt. Roberts Chalter When flaging 2. Sciurus aberti. - Leng C. exactly like squirrels Shot three. I shot one. Several 22 Sphyrapiens varios michalis times they have escaped me; was seen once only. but this one I secured after 23. acapiter Juscus, One half an hours world , HE 24. Butter bolkalis Caluris .was at last discovered ching Several sun; one Shot. bough of the vary topmost of 25. Conlorty & malling - a flock of half-grown your mi All, place. I has supplosed one old male leading was they had holes in the living seen at Camp 11 by Len Crook trees they eluded me so 26. Columba Jasciata, - Three Completely; but I now seen: I short one. think they owe their Safety 27, Lenaedura Carolinerales to their criming in conedaling Eapt. Roberts saw on at Otherwelvas in the true-tops. Camp 11 near 7t, apuch (15 mis 3. Leonys as usual. 4. Deer seen may Camp 1)-

3398, Empidonax 7 ad. 13,7; 222; 66; 60; nort. 7; 13 899. Melanespes Sormoworus Fad, 233; 455; 145; 89; Cul., 27; gape, 31; larsus, 20,5 nute, 25; claw, 9. Irides, white Bill, blue-black. Sarsi Hertand plumbrous : class, duskey plumbrous 3'400. Asyndesmus lorquathes Ead, Skund for Dr. 71 Sher 3401. Asyndesmus longuatus, Lad, 282; \$45; 176; 108; cul. 30; 2 Mic, 36; tars 27; nete 30; cl.//

197 196. Oct. 12, 1. Scierces aberti. Gent Crook 1. Inta sugratura . 14 . 2, One 2. Scilia mexicana . - abundant 3. Sitta carolinadio anchesta Shot one + I shot one, The 7. Sitta pygmata species is abundant about apach 5. Tophophanes incornatus, 2 Janual (donalis?) 6. Donarosca andubori, - abundant, (3402) Varierculus ochrosephalus & t, Poorceles grammens confines 148; 270; 82; 59; cul, 10,5 ; gape, 12; larsus, 20.5; mite, 19. 5; cl. 68. Passerueiles achiacophalus, on good sized floors in The short (3403.) Casterculus ochrocephalus. 9 gove by the roadsede. They 152; 273; 81; 63; cul., 11; gape, 12) retter a sharp "theep" as Many Jay tars, 20.5; nito, 18.5; cl. 6. and Keep in close flocks let (3404.) Passerculus ochrocephalus f. Cinthus, or any on the wing pen-152; 267; 79; 59; cul, 10.5; gafy tell the settle in the Godel 12; lass., 20; mite, 18; cl., 5, Eliste traviter. The (3405). Passereulus volvacephalus 7. E, se I'm get tire, and 148; 264; 82; 60; cul., 10; gope, before Muy ordi. 10. Junes hermalis de cris d'inner Isides, hazel. Isell, with maxilla above + the of marchelle, dustry-brown; 11. Pipula macual me aloux residue, flesh-color. Jansi + feet, brown 12. Scoreso I hagus cyallo el, chosus claws, dusky Fine pine - trees also whendant

Oct. 3. 201 200 at for Claure air de. Luice. in held a aired por nour with the Et refer Indian I junt 6. Tra ... alay Culterina. An Same feet o' White Pr an Calien and Climbad . 1 2 min. to af the country. and a magnification panorhina 12 71'. Quails could be and + Isaw no Tambel Quarle either, The Massinas are more abundant Man Jany . & at Wache, Je wir . I heard close now often I war caux the valley stay " " mountains Hust at svanning I heard the Larleyty Dut it was

(Oci, 13) 203 202 The birds seen will 1 Ellerola migri de propriego a 2. Sialia muzicana, - akundani. 3. Regins calendala. a fen 4. Jophophanes mornatus, Comme 5. Sittà carolniensis aculcala 6. Dudrizce auderborie, . 7. Proceed condences S. Shij la socialis arejona 9. Zanobroka lencophrys, 10. de na lencolni - gran a number of Lincoln's Finch on the S. Fork close towhere Gent Gerork was talking to his which and, and on that account 1 did not shoot any of them 11. Juneo helmalis dregomes. 12. Dunce Auemalis norsa.s 13. Papilo maculatus megalonyx. 14. Seole cophagus cyanocaphalus 15. teorous corax Very Common 16. Ceornes frugueris. a few

There are plenty of fine four foot and the check; but only a vary derve seen all along the South Hork. After the two looks unite (guist part the Post Holepital) the suckers are found in abundance; and there are a good many trout there are.

206 . Oct. 13 (Oct, 14) . 207 claws, black, Gent. Grook asked me to 3408. Gymnopiea cyanocephala, fad slay behind and assest 281;462;143;112; cul, 34; telslur, the Past Surgeon to gape, 37; lars, 37; rute 30; el. perform atten aferation of Colors like 3407, Crop full of extende to a of both on any a como from the small-leaved oak, gents ... the cure of cancer 3409. aphilocoma woodhousei, Fad. We did not each inches 297; 403; 122; 141; cul., 26.5-; birds were noted: 9 upe, 30.5; tars, 40; mte., 31.5; el. 10 Drikes hazel. Bill, legs feet relaws, black. 2. Sialia megratoria profungua 3410. aphelocoma woodhousei, & ad 315; 420; 130; 155; cul. 27; gafe, 31 3. Sitta carolinensis aculeata Tais, 42; outc 31; cl. 9.5, Colors he 340) 4. Tophophanes morinatus 3411. Limmenlus sparverius, à ad apach 5. Regulus calendula 272; 483; 92; 136; Cul, + Cere, 16; cery 6. Dandrozca anduborni 4.5; cul, 12.5; gape, 17.5; tass, 37.5; rute 32; cl. 10 7. Passerculus velvace/hams 3412. Colaptes mexicamos. Ead, 8. Poorecles grannings 325; 55-0; 165; 121; cul. 38; gafe, 42 9. Spizella socialis arizonat tars: , 32; oute, 34; cl., 11.5. 10. Lonotriolia Jencopinys 3 413. Juneo hieralis oregonies fad, 11. Vapilo maculatus megalonyx 157; 237;74;73; cul, 12;9,9 12 junion affectives 12.5; lars, 21; mte, 20; cl, 6. 12. Scolecophagus eyanocefilialus

209 208 13, Ceornic corax 14. The michie cyanocephale 15. Whilocoma woodhouser 16. Leganocittà Illeri macrolopha 17. Others villosus, - One seen 18 Boly afficers varies motion a number seen. 19. Melanerhes formervores Very abundant & busiles engaged in carrying acoms. and storing they in holes in the bark of Canice and beliver the tark and The wood. I stripped the back from the lower hast of a dead fine tree, forther purpose of gathering Africanian Jos Ate acounts hounded in hos Di Ma bark, as I did so about a peck of acoms

(Oct. 14) 211 210 Fattlad to the ground. They were small acomp of the my pocket & sind them as shveret as chestruts and very good eating. as high my as I was able to Coosen the bark I sound a layer of acomo letturan it and the trynk. Hese berds are morely A frolicione, but withat very industrious & may always be seem Carring an a com from the oak to the price-trus The black + white colors are displayed to advantage in flight the rEd erest glean brightly 20 Colaptes arratus mexicams · Very abundant 21. Junineylus Sparverus 22. accipiler frescus 23. Buter Johalis Calurus

212 24 Levaldura Carolmenois. Que 26. Weleagris galopavo. - Hud

(October 15) 215 214 after rising at daylight, we tried to Lind the trall agroll * the canon to camp in him to feed our, horses tourselves. I had brakfasted yesterday in comp + later a lunch with Dr. Fisher of was Jamishes last night when I lay down the sleep, after ording all the afternoon and overing, and brunting hart of the dight for a trail across Black Kwar Canon to Camp, with only my saddle blankets for bed & covering of my saddle fora hillow, This shorning De has much dit ficility, in funding the trail, and I became discouraged when I saw Hend, Groot fidning off on his mul, , Knowing that Ithe Commune would inined a follow

Qct. 15 217 216 and it would be too late to ded as the grain and rations would all be packed on the nules. I thought the train would of necessity have to follow the main road to Som Carlos, and no turned and retraced my steps, Leading my horse back wh the rocky mala pai hillsides to the camp where Stenard I are and myself had slift last night. I saw a magnificent Wildcat (Fynx rufus) while looking for the Lan Carlos road I At ran lowards me + crossed within a few rods of my horse, so kear that I wight easily have shot It dead I I had bear provided with a heavy charge of shot. but as I only had fine birdshot I did not shoot at all, but

218 Oct. 15 but watched the motions, of fram packmules & factors this handsome, graceful Fry Hospital Sleward Dare annual, which I have who had found the bail willes Seldom seen alux Orders I left him & had waited for I soon got on the road + me. The hackers had no reached Black Kir at the Knowledge about the soute bottom of the Canon, what to be travelled + only eard, 2 or 3 Duces below the Jenes May were going to fullow Camp, I ritended to Keef the Toul Erooks trail to The Eslum overtook me; but Ale Commando, The Stew. read had reached camp bust when I reached the lot of the as the coop's were leavily y gotten a little cold coldet Carron it occurred to me grifer snaps of shared them that the General night not with me. HE had laten Suffer Choose to strike the road at all; so I concluded to the with an authit, of Mormons who passed by while he mas my hungry horse & let him Golding the Worses, + I was An crest of the hill of met looking for a way to carup, so. At columbs obtained reform was not loo started as hope Just I was two late of only Land of got my horse of Julian at last rights camp the (The Idenaral's trail , I did

Oct. 15 221 220 Oat, 15 but it was an auful other Species of gays & trump of my horse was a mullitude of Fillakas tired and balked when of Carpenteros Were seen I tried to kead him down as we rode our the the lost malapai hell ough malapai Riells . The to the Steward's horse & trail Steward's horse had lost at length I got him esour Thos Chow & he consequently? Cet that Rivers a magnificent preferred walkingt leading drake of merges serrator his horse a good hart of could have been shot had The way . Er flockof Fibol not the Steward taken Charle Quails was predded by of my gunt coat when I'd Hu Steward within a few want track. I slack Kins Seet; but they flew while 9 rached them + scattered, is the handsomest ctream of have seen in arrango rettering a Cond note as there is filled with brantiful lest the ground with a trout & haunted by weldford sucherry sound, I flustee after grazinfour hung , our of them again while the horses of worthing up a few Sleward was trying to Lasten notes, we followed the on a shor to his horses trail. Lange flocks of toot with a couple of Stones di lice of a banner, but Maximilais pays and conly strot one, a young a good member of the

22E (Oct. 13,7) Oct. 15 223 one, Wa presently struck the and some tall, cacte Gree form fellow fruit. He San Carlos road & I had the mortification of Knowing mat had I dellowed my Same Vital, we I saw while original beau & Sollowed the grad I would have Jeassing through new Wexco ridden noto Camp at the The Belds Doen were! l'herula migratoria profingue 2. Sialia mexicana. head of the processon and saved myself four hours of desperalely I hard work 3. Regulius Calendula 4. Tophophanes mornatus, on The timber along the soud 5. Parus montanus. In Junes was gringer, frie taak until we got to the bottom on the highest ground. of Rocky Canon + Sound 6. Setta carolinensis aculada only jumpers tack, and All along thense passed out of the t. Litta frygshala, -a dew Canon upon a large florite amongst the fines mairie through which ask Crick, bordered with gunipas on the highest ground 8. Dendrocka anouboni + valls + some decideous 7. Poor cetes grammens, Celu Trues. We reached count 10. l'assercellus ochocephalus It just at dark, On the make we found Doves a pew on the prairie,

Oct. 15 225 224 Oct. 15 are fartil to the oaks. after leaving weker Cours The other two to the overgreen 11. Ofmed hiemalis orzgonio 12 pues humalis dorsalis 22. Vicus villosus harrise 13. Julla clonestica arisonal 23. Splyrapieus, mullales 14. Elmophila alpestras. 24. Weldwerfes domicerosus 15. Inhilo maculatus megalony 25. Colattes maxicanus 16. Stunella neglecta, Qui 26. Censle alayon. - One or The on Beack Kivin near Black Rury; the 27 Bubo virginianis - Que a 17. George corax, - Common bank of 173 each Kwer 28. Finningellus Sharverus 18, Leyano-citta Stilleri macroloff 29. Frates accepiter suscus 19. aphelocoma woodhouse't 20. Legarocitta ultramarina 30. I sulis calurus. 31, Zenaedura Carolinensis 21, Hymnopica cyanocephala all four of the Jours wen Elbundant after WE abudant on Black lest the Rocky Canout (Ruen + were seen in the trees I along the good save goves of trees Got seen before 32. Foplierty gambeli. - Olu Logetter, all weres belock sun at the bottom numerous as long as of Rocky Canon. WE Were in the thuiber 33. OCopatortys massinaappelo coma wood houseit Capit Roberts sur one Ley anocitational retrans

226 Oct. 15. (Oct 1 / Heentig/ 227 flock near Black Rwin. We lest Count 14 on Och Crock Soul Crook sow two flock at 6 o'clock am, and made + shot the head off of an Camp 15 on the Lila River at old male. I sawotulou 1.30 P. M. Capt, Bourque Sound + Shot que young ane. I. a wounded Loon (leoly mbuls 34. andea herodiks - Olden Black Knows. coronative) su the sila, when, 3 Dr Osnas boseas. - The Gent sawly inspecting some ditches doug be in Black River Dy the Indeans a large of Decies of morginale grows along 36. Mergus merganser, - The Hew. sow a F+ I solv a male on Hu Gila . It has Small, Lilleate Black River leaves. On the way here we saw 37. Geocoecys californiamus - One seen down with the prairie after legining Rocky Cunton's hundreds of Heart (all, when of which were much branched, Wild Cat. See note above and at least 40 feet high. They 2. Ceorote, Gent Crook shot on are corrugated long ludino ity 3. Tamias, - abundant with the crest of the rugar 4. Mexican White-tailed Deer Steedded with Shellate spines Many of them had lister borid in the wood heekers, and the holes were very possibly The Beether cache Lange non sounted cach as high a mon

228 ((of 16-Oet. 16 .. 229 mounted were very plantiful franchymini crussalis. - a few i sur a ce Corr, évarse, shing were theard singing in the Cactus, new to me Chiare lower foot-hills. il denn whom the Coner door 2. Proscolites montanus, - Common hills we don't saw mes quites in the food-hills + Gila bottom on the bright at least she us 3. Sialia mexicana, - Oue flock. Mammals! Carion or Rook Sommer Sursun 4. Salpinetes o'solitus, - Common mi the rooky canous nie the foothills of the Sier Valley, 5. Eremophila allettris, - at fer-Carge flooks in prairies near eich Corock Camp. 6. Carpodacies frontales. - lefundant a large Rottlesvake was shot in the rocky foot-hells of the gla at Camp 141 on ash Creekt There to the Lila. 7. Alerenlus Simma, - Our in at mear ash Ose to camp + a lew others prome an route 8. Passerculus or incomacus, 9. Porecetes grammiques et l'inis, 10. ing istiga belineat :- Hurst seen wied leaving Vorde, Huy

Cent. 16. Oct, 16 233 232 18, Layornes Skyi, -(128:1and beard Flickers all the in the food hills, afternoon. In the examina 19. Liveoccyx califor innes. (Cu Sent. Grook called out to seen by Lew Crook. me as I sat talking to Dr. 20 Accidition fusus - a pen seen Davis "Say, Doctor, did you 21. accipiter cooperi, Que. hear that note? That was the 22. Finnunculus Planterius a Gila Woodpeker!" I snatches number seem. of my grue and after 23, Ficito Columns worns, there waiting during the scattered collowwoods a little while I Jeen in a poetly canon 24. Lophortyx gambali, One Shot the first specimen) (ver flock seem in the foot-hills. Saw. J Somo Ducks were Sens ut. 25. Melospina Jasciata Gia. a Cafter we reached the Gila 26. Coluptes arbatus mexicanus I had to attend to business and Callers (East, Crawford & Dr. Davis 27. Centreux mophagialis. The Dr. gave we a good mony Hength be and of tos, 935. interesting facts in zoology. These things prevented only 780; 1425; 35-5; 85; cul exploring the banks of the 71; gape, 107; width of bill fila where we were encamped; but when I went to bather opposite base of nostril, 12:37 depth same place 22.5- But of saw plenty of Jambels Luar & Long Sparrows tobia tarsus 92; anter betel 125

234 Oct. 16. Between Huntig & Lila River rate, d 9, mle 1/5 a 12, 3416. Lonotrehia Jeneo/hystig 9 ale, 13.5, taes 28; mtc 23 el., 6.5. Fredes, hazel, Bill Indes sich brown, Bill. with righer one-half of maxille blackesh + a dusky line extending 1/2 from tip to rase brownish - yellow, with maxilla Hong gafe & tip of mundull slightly tipled with dusky. Jansi fect & claws, brown. greenech. Outer olde larse 34 F. Carpodacus frontalis Sad, 155; 250; 78; 69; enl., 10 Safe, 10.5; tars 18; suite, 17; cl 34, 5; applianing sulus savarina & jour, +-Lect, Mackish; with a stoud when of blash color on contre of we be (wedge the feel - lase howard algund). Inner surface a larse t, Leet, pale grienish; com 149; 245; 71; 58; cul, 10.5 Alesh-oslor tipped with blacks gale, 11.5; Cars 21.5 mile 20 cl. 5. 2441 427; 132; 96; eul., 26; 230; 320; 99; 100; most 12 Frides, yellow not skimild. Jake, 30; tars., 22.5' rute, 27' plumbrous - black', large , feet, plumbrous; claws plumbrous cit vase shading to black at lif. Bla R. 13 m. fr. S. Carlos.

236 (Qd. 17.) 3423 lught to and claws, 215 3420, Centurus urophagrales, fue. 241,418; 130; 91; cul, 26; 9 pint. 188; 328; 99; 5-1; galie, 31. Kars, 21.5; mle 27.5 mite 24, al., 4.5. bace tit, 12, 3434 Junealus David. 25419 10 , Gila 12 m. fr. S. Carlos. 3421. Centerus woophaqualis dad, 265; 454. 138; 100; cul., 32; 267; 565; 179; 132; 00.1 gare, 16.5; tare 16.37; inte., 31. Jake, 37; Lars, 24; lute, 32; plumbrous , shear, at tip. for (crim at) of bell (tarse 1 fee) orange yellow Claux, blackon 3422. Eenlivies motoria "33id 12 (0, Vindraus ar von 2, Aladin 271, 455: 140, 9.9, 00 33, 2 12 7 Solinus dartifes que, 9 a/e, 37,5; la la 245, 25 (31) Length to and of claux, 450. 3423 Centurus wofy odis & al. 363; 660; 205; 84; cul, 55; 259; 445; 132; 98; cul 32; Jake, 62; bace tibia, 4/ gali, 37; larsus, 25.5; nete 30; Classica Riv. 10 m. 150 m. Carlos. 3424 Ephyrafucus mucholis 3/11/11 Harsus, 63; rule, 44; cl., 6.5 Isrdes, hazel. Bill, bracket Legs & feet deep yellow 221; 400; 124; 91; cm., 24; Claws black. The River, 10 gape, 27; dans, 21; rute, 23:5; m. for San Caroles El. 8.5, Gila Priv. 10 m. fr. S. Carlos

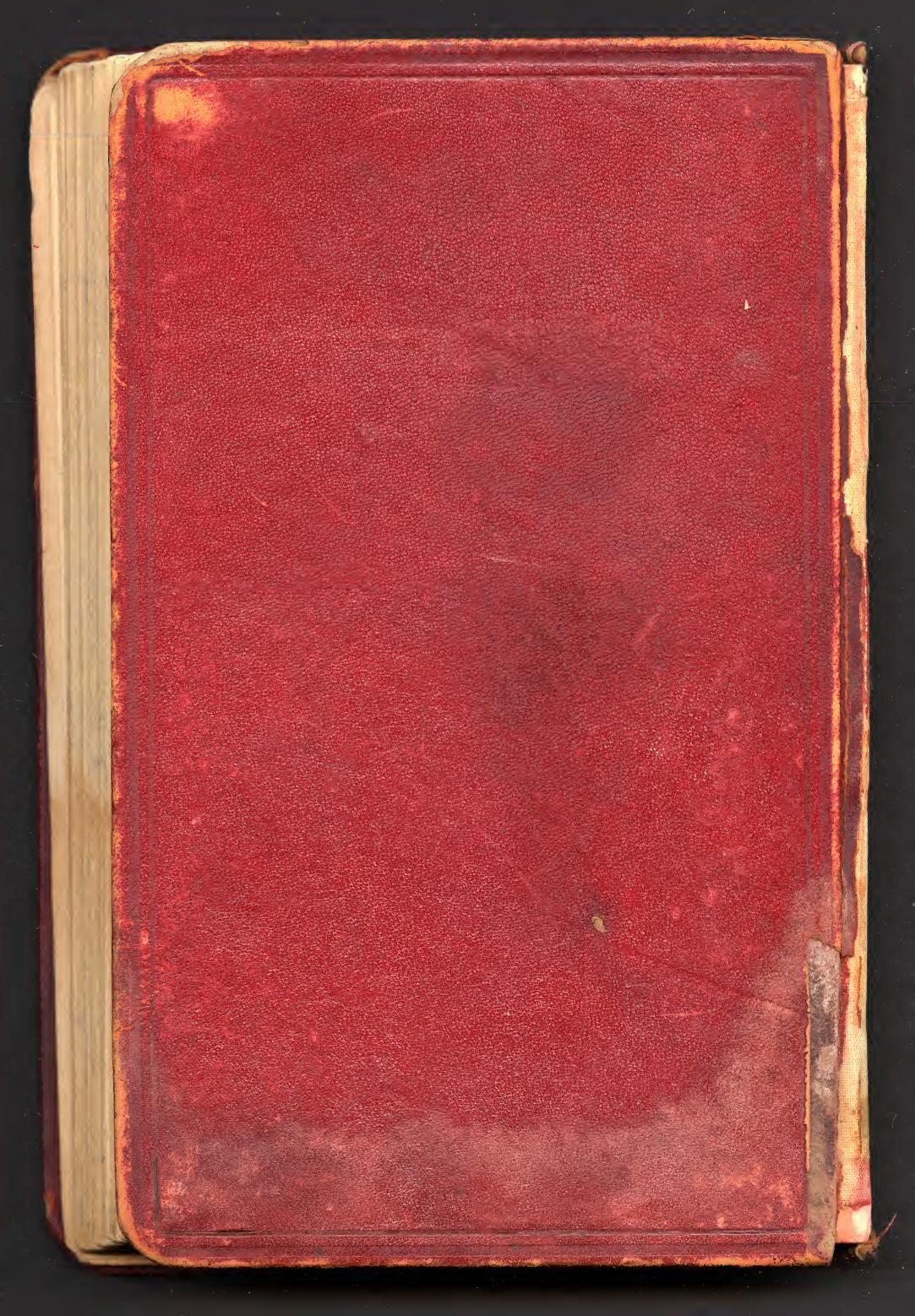
238 Oct. 17.
3426 Dila Riv. 7m fra Carlos
2428 Ardea Kirodias 7 ad. Oct. 17. 239 10. amphespiza bilenesta. Common Long the to end of toes 1, 1310 and singing. 11. Louotrichia Cencophrys. - Exceedingly, 1015; 1640; 14451, 172; cul, 126; gape, 15-9; tub, 92; tais, 0155; mite, 108; Cl, 16. that resembles the notes of albicollis The following birds were seen on 2. Melospira Josevata. Columon Atu way to San Carlos from our braide the Gila all along the way 3. Spriella socialis arisonate a dev. caref on the Hila near the crossing + . Pipilo aberti - Very abundant. at the Sub-agency (Camp 15). 5. Scoleen hagus con acephalus. 1. Therula migratoria profingua - Commo In longe boells everywhere. 2. Hearportynehus crissales - Suging 3. Prosephlis montanus. - Common. 6. X authoreplalus icterocephalus 7. Sturnella Sugleta. - In Small 4. Salpinetes obsoletus. - In the Conons near San Carlos. 18. Corous corax. I abundant 5. Eremophila alpestris. a few. 7. Fyrannus voeiferans. - Cebendant 6. Dandrorea auduboni. - Common Some may have been verticalis 7. Lanius Cudoricianus. - a few. 20. Layornis sugricans. - a per. 8. Carpodacus frontales. - Very aban 21. Vermilian Flycatelier. - Ode seen -dant. Duigling in larly 22. Ceryle aleyon. - Commons 9. astragalnus politice. - Luging. of 23. Pleus scalaris. - Common did not shoot any + do not know whether they are typical position - t- Colaptes auralies mersilamos, Como 25. Combeanus torquatus. - Just sen or var. mexicana!

240 (Q.f. 17.) 3. Fotamus melanolencers. Farre seen.
H Zenaedura Carolinencia. Hour seen. on the fela in the cottonwoods and one shot but fell in an inaccession animals on the way to Jan Carlos: locality. I was surprized at their 1 Plack Kabbit. presence in this low region, 25 Gambel 1 Lucils 26. Centurus urophagiales. Juit 1 Great Blue Heron. common among the cottonwood 4. Hila Wood Leckers. along the Gela. They are often 1 Harter Villow-legs seen peeking at the lower that 1 Shotted Sand pipeli. of the tree-brunds as well as Muchal Woodpecker. in the tree tops, wand I even saw Sparrow Hawk. and fly down and alight repor Hal. 35. the ground and pick up soul the following Mammals were seen: ruscet. They often perch whom Jamas (Spermophilus . - Clusony the lopmost dry boands of a The mer quites on the San Carlos Its at the tegency (Spermophilus tereticandes). cottonwood in the manner of the theker That cry is a succession hus Callotis Lepanus , Luro seen Coyofe . - abundant + yelling of harsh sounds 27. Tununculus sparvirius. - Very all nights about early. In the abrundant + gentle. moon I saw one in the trail 28. Accepter Luseus. - abundant Tust intront of my horse; 29. Cereus Indoonius, - Our sen but was empresared to shoot 30. Lophortyx gambeli. - Common 31. artea perodias - Common 32. trinspides mandarius. Common it before it got out of

342 Oct. 17. Costor fiber . - This animal is abundant in the Lila & I saw many collowood cut down and grawed by them. The Gala is lettle of com larger than the Serde River. It cal by Lorded almost any where. the collowoods are not as plentitul nor as larget healthy trees as on the Verde. There is a good deal of brushwood along the banks, making good cover for small ourdo. The fact I daw myside of little Goods, chiefly sparrous but did not Take the time to hunt them up closely, as most of then were common firmer sote, and the cours so close a met they had to be shot in order to identify their estanty.

7 to Clear Creek Camp 1. 16 to Camp 2 16 to Camp 3. 19 to Camp 4 22 to Camp 5. Harforlynchus crissalis 34; 76 Pipilo aberti 36;46 Lanies exembitorides & 6;77 Orfilo mac. megalony 36;710 Lophortys gambeli 30;73 Immerches sparrens 20; 75. Calmospiga melanvery 31; 79 Orgechus vocifer 65;76

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#8. begin with p. 94, go to end (p. 242); then to p. 50 and go to p. 93; then to p. 40 and go top. 47. A Party Colonial Colo